Auerswald

THE PRODUCT OVERVIEW 2015

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Auerswald®
Clever Communications

Why choose Auerswald

When choosing a new telephone system, technology and price will probably not be the only criteria to influence your decision, because you know factors such as good quality, reliability, flexibility and a manufacturer who will answer queries concerning your product and supply the latest software even years later are of far greater value today.

Read below what you can expect when you choose Auerswald!

A wide-ranging and diverse product portfolio

Auerswald has the right solution, whatever your needs may be: from a compact PBX system with four extensions to a modular ICT system for more than a hundred subscribers. All Auerswald systems are a perfect fit – in your home or at work, whether that's in a workshop, an office, or on a construction site, in production, retailing or at your consulting rooms. When you tell your specialist dealer what your telephone, fax, e-mail and internet requirements are, he's sure to recommend one of our products, because they're so well-known for their versatility. There's not much that an Auerswald system can't do.

A consistent system design concept

Optimum use of a communication system's full range of features is only possible when the individual components are perfectly matched. And only system telephones can be adjusted to your personal habits of use, whichever model you choose and whatever context you use it in. Because of our platform strategy and consistent software structure, Auerswald systems of all sizes benefit from development updates. As a result, our smaller systems have features that you would normally find only in a professional system.

The right system for every network

Everybody's talking about it: Voice over IP, or VoIP. Making telephone calls via the computer network is now very much part of life and traditional telephony will gradually become a thing of the past. But millions of users still have analogue or ISDN lines that they will continue to use for a number of years. You don't need to choose between analogue and ISDN technology or VoIP when buying a telephone system – you can have it all!

A future-proof investment for years to come

Your expectations of a communications system are bound to change over time. We'll help you implement your plans – with our modular and expandable PBX systems. Planning to switch from ISDN to VoIP? The right modules will quickly upgrade your system to IP telephony. And free software updates ensure your communications network always has the latest features.

Energy-saving products

Long before the public debate on energy costs started, we were already developing telephone systems that would use as little energy as possible. Our new COMpact 3000 system sets new standards as a real energy saver. And our system telephones help you save money, too: when not in use, they switch to energy-saving mode and will then consume up to 50 percent less electricity.

Made in Germany – more than just a label

Our efficient processes and ingenious design ideas help keep production costs down, even in Germany with its relatively high wage costs – an advantage that makes Auerswald products such good value. It goes without saying that we manufacture all products to our legendary Auerswald quality – so don't take our „Made in Germany" label as just a nice promotional idea. It's there to let you know that these are products you can trust.

The right solution for you

EXTERNAL **INTERNAL**

HOME

1 analogue port | max. 1 S_0 port | max. 2 VoIP channels
COMpact 3000 analog
max. 6 analogue ports | max. 1 S_0/U_{P0} port | max. 2 VoIP channels
EXPANDABLE max. sugg. subscr. 8

max. 2 S_0 ports | max. 2 VoIP channels
COMpact 3000 ISDN
max. 6 analogue ports | max. 1 S_0/U_{P0} port | max. 2 VoIP channels
EXPANDABLE max. sugg. subscr. 8

max. 1 S_0 port | max. 4 VoIP channels
COMpact 3000 VoIP
max. 6 analogue ports | max. 1 S_0/U_{P0} port | max. 4 VoIP channels
EXPANDABLE max. sugg. subscr. 10

SMALL OFFICE

max. 3 S_0 ports | max. 4 analogue ports | max. 8 VoIP channels | ▶ max. 10 trunk lines
COMpact 4000
max. 8 analogue ports | max. 6 S_0/U_{P0} ports | max. 8 VoIP channels | max. 8 door ports – analogue/VoIP
EXPANDABLE max. sugg. subscr. 16

max. 3 S_0 ports | max. 6 analogue ports | max. 14 VoIP channels | ▶ max. 14 trunk lines
COMpact 5000/5000R
max. 16 analogue ports | max. 10 S_0/U_{P0} ports | max. 16 VoIP channels | max. 8 door ports – analogue/VoIP
FULL MODULAR max. sugg. subscr. 32

BUSINESS

max. 16 S_0 ports or 1 PRI port + 4 S_0 ports | max. 38 VoIP channels | ▶ max. 38 trunk lines
COMmander 6000/6000R
max. 32 analogue ports | max. 32 S_0 ports | max. 32 U_{P0} ports | max. 64 VoIP channels | max. 8 door ports – analogue/VoIP/FTZ
FULL MODULAR max. sugg. subscr. 64

max. 16 S_0 ports or 1 PRI port + 4 S_0 ports | max. 38 VoIP channels | ▶ max. 38 trunk lines
COMmander 6000RX (as well: 6000R with Xtension)
max. 64 analogue ports | max. 56 S_0 ports | max. 72 U_{P0} ports | max. 64 VoIP channels | max. 8 door ports – analogue/VoIP/FTZ
FULL MODULAR max. sugg. subscr. 112

For better orientation you can find on this page the connection and expansion possibilities for all Auerswald PBX systems – from a small expandable system to a full-modular ITC server for medium-sized enterprises. The prominent numbers give an important hint for the suggested number of subscribers at full setup of each system.

Please note:

- The COMpact systems marked as "expandable" can be equipped with modules expanding their possibilities beyond their basic setup.
- The actual setup of the full-modular systems is defined by the module configuration only.
- The note "max. sugg. subscr." refers to the optimal number of subscribers at full setup. Per S_0 bus 2 subscribers are calculated.
- Die detail "max." in front of the number of ports indicates the possible setup level after the expansion with the appropriate modules.
- When combining ISDN, analogue and VoIP trunk lines please consider the maximum number of possible trunk lines of the system. (COMpact 4000/5000/5000R, COMmander 6000/6000R/6000RX).

Suggested number of system or feature telephones at full setup of the system

COMfortel	600	1200 1400 1600	2600	1200 IP 1400 IP 2600 IP 3200 3500	M-100 M-200 M-300		
					with WS-400 IP	with WS-400 IP and WS-Base[4]	with W-650 IP and WS-Base[5]
	corded				cordless		
	analogue	ISDN (S_0/U_{P0})		VoIP	VoIP/IP-DECT		
COMpact 3000 series	6	1	2[1]	2[2]	–	–	–
COMpact 4000	8	12	12[1]	16[3]	12	16[3]	16[3]
COMpact 5000/5000R	16	12	20[1]	32[3]	12	30[3]	32[3]
COMmander 6000/6000R	32	30	64[1]	112[3]	12	30	112[3]
COMmander 6000RX	64	80	112[1]	112[3]	12	30	112[3]

Important: When combining different types of telephones and connections please consider the maximum extension capacity of the ITC system!

[1] Value achievable when using some telephones with the power supply COMfortel XT-PS [2] Operation as standard SIP telephone
[3] Two telephones per VoIP channel possible due to Over Commitment [4] WS-400 IP with multi-cell extension, connection of up to 3 DECT bases COMfortel WS-Base possible
[5] Connection of up to 256 DECT bases COMfortel WS-Base possible

Modern and comfortable telephones...

Auerswald offers telephones for every demand and for every budget. It does not matter whether you are looking for an analogue feature phone for connection to the public network, a professional cordless phone or a real high-end system telephone – you will find the ideal solution here.

ISDN

ISDN

COMfortel® 1200 / 1400

Looking for a system phone for your Auerswald PBX with a competitive price? It should have the same level of comfort and features as high-end phones? Check out the new digital system phones COMfortel 1200 and COMfortel 1400.

You will find two models with a new convincing design offering adjustable tilt angle and illuminated easy readable displays – even with touch operation at COMfortel 1400. And you can mount it to the wall, if you prefer. Not to forget the inner values: feature-rich and convenient to use.

- Power supply via ISDN bus
- Automatic detection of S_0 or U_{P0}

COMfortel 1200

- Crisp b/w display with automatic illumination
- Local phone book with 1,600 entries

COMfortel 1400

- Bright 3.5" colour touch display
- Local phone book with 1,600 entries
- Optional voicemail

COMfortel® 1600 / 2600

You want ISDN system telephones with even more possibilities? You need more keys, expansions, bigger display, cordless headsets?

The COMfortel system telephones offer maximum user friendliness, are intuitive to use, have a state-of-the-art design that blends into any environment and superior functionality.

COMfortel 1600 and COMfortel 2600 are the ultimate evolutionary step in our ISDN portfolio, with touch screen, control pad and adjustable position for even more convenience. And they still can automatically configure to the type of port connection (S_0 or U_{P0}) – a feature first introduced by Auerswald.

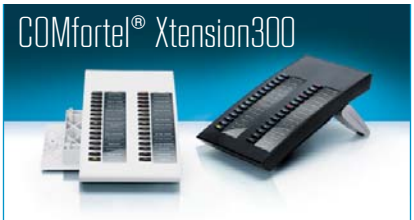
COMfortel 1600

- Graphical touch display
- Local phone book with 1,600 entries

COMfortel 2600

- Bright 4.3" touch display, 65k colours
- Integrated voicemail
- Connection for corded/cordless headsets
- Key expansions for up to 105 keys

COMfortel® Xtension300



COMfortel® Xtension300

for COMfortel 2600 / 2600 IP / 3200 / 3500

- 30 programmable keys with two levels and multi-coloured LEDs
- Up to 3 key extensions are possible

COMfortel	1200	1400	1600	2600
Int. phone book entries / central phone book	1,600 / •		1,600 / •	
Name display / online name search (reverse search)	• / •		• / •	
Integrated voicemail	–	optional	–	with SD/SDHC card
Handsfree / loudspeaker / InterCom function	• / • / •		• / • / •	
Headset connection / cordless headset	instead of handset / –	• / –	• / –	• / •
Speed dial keys / busy lamp field	10 / •		15 / •	
Key extension	–		–	3 x 30 keys (Xtension300)
Colours	■		◪◪	
System connection port	ISDN (U_{P0}/S_0)		ISDN (U_{P0}/S_0)	

... the right one for every purpose.

ANALOGUE VOIP

VOIP

VOIP

COMfortel® 600 / 1200 IP

Good design and convenient features must not be expensive. The analogue user-friendly COMfortel 600 is ideal for the use as an extension telephone on Auerswald PBX systems, but you can just as easily plug it into an analogue trunk line port.

The COMfortel 1200 IP is the perfect entry-level model of the Auerswald IP phone portfolio. It is a genuine standard SIP phone which offers comfort functions like BLF (Busy Lamp Field) or MWI (Message Waiting Indication) simply via SIP.

Both offer the new stylish design of the compact Auerswald system telephones.

COMfortel 600

- Analogue comfort telephone
- Power supply via analogue port, no extra power supply or batteries required

COMfortel 1200 IP*

- Standard SIP phone acc. to RFC 3261 with comfort functions
- Ideal for Auerswald systems and with solutions from various manufacturers and providers

COMfortel® 1400 IP / 2600 IP

If you need more possibilities and features than entry-level can offer but still at an affordable price these COMfortel models are the right choice. They offer maximum user friendliness, are intuitive to use, have a state-of-the-art design that blends into any environment, and superior functionality.

Other than their ISDN relatives they can be used not only as system phones with Auerswald PBX systems but with Soft PBX or IP-Centrex solutions from various manufacturers and providers alike.

COMfortel 1400 IP

- Bright 3.5" colour touch display
- Optional features like voicemail, IP cam support

COMfortel 2600 IP

- Bright 4.3" colour touch display
- Expandable with key modules or cordless headsets

COMfortel® 3200 / 3500

Up to now, it has been necessary to make a decision: Do I want a SIP or system telephone?
The new COMfortel 3200 / 3500 telephones, however, can be operated both as an IP system telephone connected to an Auerswald PBX or as a standard SIP telephone on a soft PBX or an IP Centrex solution of a provider. The installation wizard installs these telephones almost completely on their own. The integrated VPN client makes it possible to connect remote locations, such as home offices, in a secure mode. Simply top of the line telephones.

COMfortel 3200

- Standard SIP and IP system telephone
- Innovative 4.3" touch display
- Synchronisation with e.g. Google™ services and Microsoft® Exchange
- Perfect integration of IP cameras
- Integrated voicemail system
- More than 10,000 telephone book entries

COMfortel 3500

Like COMfortel 3200 but

- 5.0" touch display with 16.7 mill. colours
- Brightness and motion sensor
- Bluetooth® dongle included

* available from Q2/2015

600	1200 IP	1400 IP	2600 IP	3200	3500
99 / –	300 / • (LDAP)	>10,000 / •		>10,000 / •	
• / –	• / –	• / •		• / •	
–	–	optional	with SD/SDHC card	•	
• / – / –	• / – / –	• / • / •		• / • / •	
• / –	instead of handset / –	• / –	• / •	• / •	
10 / –	10 / •	10 / •	15 / •	15 / •	
–	–	–	3 x 30 keys (Xtension300)	3 x 30 keys (Xtension300)	
	■	■	◪◪	◪◪	
analogue	IP (VoIP)	IP (VoIP)		IP (VoIP)	

Big or small – a perfect solution for everyone!

ANALOGUE ISDN VOIP EXPANDABLE

NEW!

ANALOGUE ISDN VOIP EXPANDABLE

Systems that grow with your demands.
Auerswald PBX systems fit perfectly to every user profile, no matter if you need a solution for private homes, home offices or medium sized enterprises, no matter if they should operated on an analogue, ISDN or All-IP network.

COMpact Modules

COMpact 3000 series
– 2a/b module
– ISDN module
– S_0 module

COMpact 4000/5000/5000R
– 2FXO module
– 2BRI module

COMpact 5000/5000R
– 4DSP module
– 4FXS module

COMmander® Modules

COMmander 6000
– 8/16VoIP module
– PRI module
– $4S_0$ module
– $8S_0$ module
– $8U_{P0}$ module
– 8a/b module
– VMF module
– 2TSM module

COMmander 6000R/RX:
same modules, but with front patch panel

Low power consumption, long lifetime and future software updates led to the German award "Blue Angel" for the COMpact 4000, 5000/5000R and the COMmander 6000 series.

COMpact 3000 series

With its well-known COMpact 3000 series, Auerswald shows how powerful a small PBX can be nowadays. All three versions offer a central voicemail and fax system with an automatic notification function, print server functionality, ports for external storage devices and lots of telephony features. If you need more it can be extended with additional analogue or ISDN ports and with VoIP channels.

COMpact 3000, all models

- Integrated voicemail and faxserver[1]
- Connection of system and standard telephones possible (VoIP, ISDN, analogue)
- CTI in the network
- Web interface and LAN connection

COMpact 3000 analog

- Expandable analogue system
- Active and passive fax switch

COMpact 3000 ISDN

- Expandable ISDN system

COMpact 3000 VoIP

- Expandable VoIP system
- Up to 4 VoIP channels

COMpact 4000

Never before it was that easy to fulfil virtually every demand with just one compact PBX system – especially in the segment up to 16 subscribers. COMpact 4000 realises this with its basic setup already offering popular features like voicemail, SIP comfort, VoIP or tap-proof phone calls. Features like intelligent group functions or CTI applications additionally open up the world of professional telecommunication for business use. And if you need more you can expand the system with additional features or ports. Moreover COMpact 4000 is already prepared for all the upcoming challenges like IPv6 or All-IP connections.

COMpact 4000

- Expandable analogue/ISDN/ VoIP system
- Connection of system and standard telephones possible (VoIP, ISDN, analogue)
- Up to 10 external lines / up to 16 internal subscriber ports
- CTI in the network
- Automatic Attendant
- Integrated voicemail and fax server
- Perfect integration of door intercom and home automation

PBX systems	3000 analog	3000 ISDN	3000 VoIP	4000
Number of trunk lines (analogue / ISDN / VoIP)*	1 / 0–2 / 0–2	– / 2–4 / 0–2	– / 0–2 / 0–4	0–4 / 0–6 / 0–8
Number of extensions (analogue / ISDN / VoIP)*	4–6 / 0–2 / 0–2	4–6 / 0–2 / 0–2	4–6 / 0–2 / 0–4	8 / 0–6 / 0–8
Number of module slots	1 (for COMpact 2a/b, ISDN or S_0 module)			2
Integrated voicemail and faxserver	6 / 6[1]			1 (20)[2] / 0 (20)[2]
Configuration, set-up	telephone + web interface			web interface
Configuration interface	Ethernet			Ethernet
CTI connection (dialling with computer)	LAN-TAPI			LAN-TAPI
Connection of door InterCom	via analogue port			via analogue or VoIP port

* depending on the expansion level

ANALOGUE ISDN VOIP FULL MODULAR

COMpact 5000 (not shown)

ISDN VOIP FULL MODULAR

ISDN VOIP FULL MODULAR

COMmander 6000R (not shown)

COMpact® 5000 / 5000R

Since many years bigger PBX systems like our COMmander 6000 are known for their versatility and their ability to adapt to changing demands later. Medium-sized businesses can now profit from the same possibilities: COMpact 5000 is the perfect choice for companies with the need for up to 32 internal ports. Especially the 19" rack version with just 2 height units and an affordable price is ideal for modern enterprises.

COMpact 5000

- Full-modular analogue/ISDN/VoIP system
- Connection of system and standard telephones possible (VoIP, ISDN, analogue)
- Up to 32 subscriber ports
- CTI in the network
- Integrated voicemail and faxserver[3]
- Integration into home and building automation

COMpact 5000R

Like COMpact 5000 but:

- Closed 19" rack housing

COMmander® 6000 / 6000R / 6000RX

Versatility is already burned into the DNA of this model series. For this reason, the communication servers of the COMmander 6000 series can be considered to be a particularly future-proof investment. Even though they are customized to your current, individual demands they can be adapted to changing communication requirements like adding wireless DECT solutions or a centralized voice mail and fax system smoothly and without any problems.

If you prefer wall assembly, you will be glad to notice that the plastic casing of the COMmander 6000 was specially designed for this purpose. The system can be equipped with up to five extension modules.

COMmander 6000

- Up to 64 subscriber ports
- Up to 38 external lines
- Up to 64 VoIP channels
- 5 module slots

COMmander 6000R

Like COMmander 6000 but:

- Closed 19" rack housing
- Expandable to 15 module slots and 112 subscriber ports (COMmander 6000R Xtension required)

The COMmander 6000R(X) systems have been designed for the integration into structured cabling networks. They are fully modular ICT systems developed for up to 112 subscriber ports and accommodate 5 respective 15 module expansion slots in a 19" casing for rack assembly. All modules are accessible from the front without the necessity of removing the basic casing.

COMmander 6000RX

Like COMmander 6000R but:

- 15 module slots
- 112 subscriber ports

5000 series	6000	6000R	6000RX[5]
0–6 / 0–6 / 0–14	– / 0–38 / 0–38	– / 0–38 / 0–38	– / 0–38 / 0–38
0–16 / 0–20 / 0–16	0–32 / 0–64 / 0–64	0–32 / 0–64 / 0–64	0–64 / 0–112 / 0–64
6	5	5	15
1 (40)[3] / 0 (40)[3]	4 (80–120)[4] / 0 (80–120)[4]	4 (80–120)[4] / 0 (80–120)[4]	4 (80–120)[4] / 0 (80–120)[4]
web interface	web interface	web interface	web interface
Ethernet	Ethernet	Ethernet	Ethernet
LAN-TAPI	LAN-TAPI	LAN-TAPI	LAN-TAPI
via analogue or VoIP port	via analogue or VoIP port	via analogue or VoIP port	via analogue or VoIP port

[1] fax sending = optional feature, accessible via the Online Upgrade Center [2] optional, accessible via the Online Upgrade Center
[3] in conjunction with a COMpact 4DSP Module [4] in conjunction with a COMmander VMF module / up to 120 boxes with release code
[5] or COMmander 6000R with Xtension

IP-DECT

Total freedom: The wireless system for professionals

Expandable at any time the new IP DECT system lets smaller and bigger companies likewise profit from the proven DECT technology and the advantages of Voice over IP. Even in the rough everyday life of industry and commerce it will establish itself in no time, especially due to its high convenience and the persistence of the robust DECT handsets.

COMfortel® WS-400 IP / WS-650 IP

IP-DECT

COMfortel WS-400 IP

- IP DECT server with 6 VoIP channels for the connection to SIP based PBX systems from Auerswald or other vendors
- Expansion to a multi-cell server with a simple software upgrade

COMfortel WS-650 IP

- Professional IP DECT multi-cell server for installations with up to 256 base stations
- Connection to SIP based PBX systems from Auerswald or other vendors
- Expandable to 1,024 VoIP channels and 4,096 handsets

COMfortel WS-Base/WS-R2/WS-R4

- The radio cell plus range extenders to setup an IP DECT network with the above mentioned servers.

COMfortel	WS-400 IP	WS-650 IP
Number of VoIP channels	6 (max. 12)	32 (max. 1,024)
Number of radio channels	6 (max. 11)	–
Number of DECT handsets M-100 / M-200	12 (max. 30)	30 – 4,096
Number of IP DECT bases	0 (max. 3)	256
Number of repeaters	3	3 per WS-Base

COMfortel® M-100 / M-200 / M-300

IP-DECT

A perfect choice of handsets for the new IP DECT solution with each handset offering special advantages. The COMfortel M-100 is easy to use, easy to clean and available in five colours. It has never been easier to clearly differentiate the various units or functional areas within a company! The elegant COMfortel M-200 is the right choice for the office. Thanks to Bluetooth® 2.0, you can even attach a wireless headset. The COMfortel M-300 has special abilities making it appealing for environments like health care.

COMfortel M-100

- Robust and ergonomical DECT handset
- Choice between 5 colours for the differentiation of e.g. departments

COMfortel M-200

- Comfortable and full-featured DECT handset, for office and industry environments likewise
- Bluetooth® interface for cordless headsets.

COMfortel M-300

- Specially robust DECT handset for e.g. health care environments
- IP64 classified, resistant to disinfectants, alarm key

Accessories

TFS-Dialog 200

- Operation on analogue subscriber ports of PBX systems
- Modern slim line housing, only 16 mm deep, 1–4 bell buttons
- Name plates with energy saving LED technology illumination

TFS-Dialog 300

- Operation on analogue subscriber ports of PBX systems
- 1–4 large scale bell buttons, optional as light keys
- Excellent sound quality

TFS-Universal plus

- Operation on analogue subscriber ports of PBX systems
- Clamps for 1–4 bell buttons
- Signalling of letter drop, automatic door opening
- Simple mounting with glue pad

WG-640

The allrounder for controlling, measuring and notifying of events.

- 6 inputs, useable for NC/NO contacts or analogue inputs
- Alerting to 4 different phone numbers via analogue trunk line or PBX port
- Measured value logging and storage
- Certified as temperature registration device (EN 12830)

a/b Audiobox

The easy link between (nearly) any PBX and announcement systems.

- Operation on an analogue subscriber port of the PBX system
- Built-in switching relay

a/b switching module

Switching extension for TFS-Dialog 200 / 300 and TFS-Universal plus, fitting easily into e.g. flush-mounted boxes .

- Up to six modules can be used with only one two-wire cable
- Each button can control several modules, flexible allocation is possible.
- Secure door opening with protected module

COMfortel® Headset

The lightweight COMfortel Headset from Auerswald can be connected to all corded COMfortel telephones. Due to its adjustable headband and the flexible ear bow optimal fit is guaranteed.

COMfortel® DECT Headset

The professional COMfortel DECT Headset offers cordless freedom during phone calls in combination with outstanding sound quality. It can be used with COMfortel 2600 / 2600 IP / 3200 / 3500.

S_0/U_{P0} Adapter

Adapter for all systems with internal U_{P0} port for the connection of COMfortel ISDN system telephones or other ISDN devices with S_0 port.

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